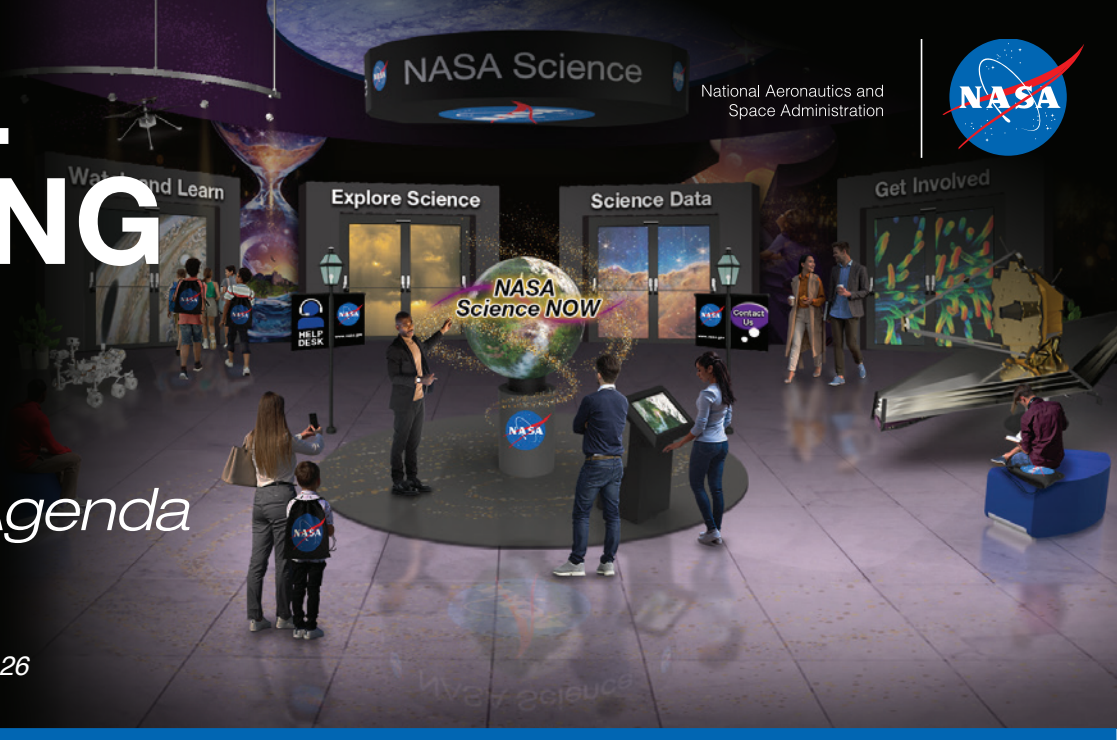
DIGITAL LEARNING WEEK



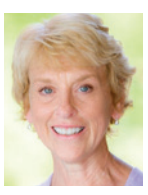
National Aeronautics and Space Administration

2023 Webinar Agenda

JOIN LIVE MAY 8-12, 2023

AVAILABLE ON DEMAND UNTIL MAY 26

MAY 8, 2023

TIME (ET)	WEBINAR TITLE	PRESENTER	
11:00 AM - 12:00	**Moon Trees and You: From Apollo to Artemis with GLOBE Observer Trees** Come check out this collaborative talk with the Artemis Moon Trees Activity and The GLOBE Program's GLOBE Observer Trees Tool. Learn about the relationship between the Apollo 14 Moon Trees (1971), the NASA Artemis Mission, and the GLOBE Program's Trees. Learn about several NASA missions like Artemis, ICESat-2 and GEDI and check out some really cool tree activities. Be one of the first to hear about an upcoming data observations challenge related to moon trees and tree height.	**Brian Campbell** Senior Earth Science Specialist and GLOBE Observer Trees Science Lead, NASA Wallops Flight Facility	
		Kelly McCarthy Co-Lead NASA Next Gen STEM Earth Mission Focus, NASA Office of STEM Engagement	
1:00 - 1:30 PM	**NASA eClips STEM Celebrity Lookalike Challenge** Test your pop culture skills to identify celebrities and their STEM look-alikes in a fast-paced trivia game.	**Julia Zumalt** NASA eClips Intern	
		Latonya Waller NASA eClips Intern	
		Joan Harper-Neely Senior STEM Education Specialist, National Institute of Aerospace	
		Sharon Bowers Senior STEM Education Specialist, National Institute of Aerospace	
2:00 - 3:00 PM	**Unfolding the Universe with the James Webb Space Telescope** The James Webb Space Telescope is the premier infrared observatory in space. The telescope is working better than expected and the images and data are revealing some amazing details. I will highlight the most interesting science discoveries revealed by Webb's infrared observations, from objects in our solar system, to stars, and then to newly discovered distant galaxies. I will also share information about different resources to explore more about a given science theme related to each image.	**Quyen Hart** Project Scientist, Webb Science Communications, Office of Public Outreach, Space Telescope Science Institute	
4:00 - 5:00 PM	**WorldWide Telescope Interactives for Exploring the Solar System and the Star Life Cycle** Learn to use online interactive resources for middle school and high school space science, with accompanying lesson plans and activity sheets. In the Solar System interactive, students explore a dynamic online model of our solar system where they can navigate through space, control time, and examine the Sun, planets, and moons from up close and far away. In the Star Life Cycle interactive, students explore images of objects representing different stages of the stellar life cycle and uncover how these stages fit together.	**Patricia Udomprasert** Cosmic Data Stories Science PI, Harvard University	
		John Lewis Cosmic Data Stories Astronomy Educator, Harvard University	
6:30 - 7:30 PM	**Infiniscope Presents: Moon Phases, Eclipses, and Seasons** This isn't your typical flashlights and styrofoam ball experience. We'll take you on a journey through the solar system with our 3D simulations and interactive feedback you can use to teach these topics with little to no teacher prep time! You can also use these dynamic lessons for content review, in a flipped classroom, for your sub plans, or even as a filler.	**Jessica Swann** Infiniscope Community Manager	
		Sina Kirk Infiniscope Community Lead	

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NASA's Universe of Learning	NNX16AC65A
NASA Earth Science Education Collaborative (NESEC) - Includes GLOBE Observer	NNX16AE28A
GLOBE Mission Earth - My NASA Data	NNX16AC54A
Eclipse Soundscapes: Citizen Science Project	80NSSC21M0008
OpenSpace	NNX16AB93A
NASA eClips 4D	NNX16AB91A

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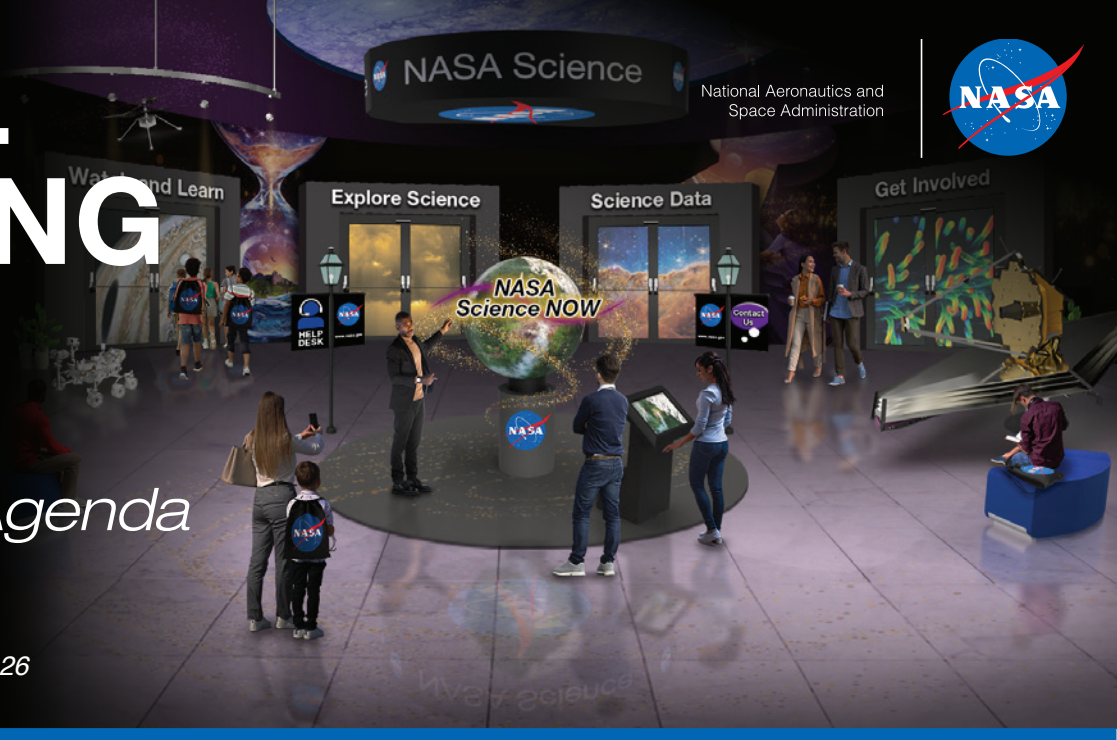

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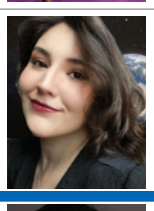
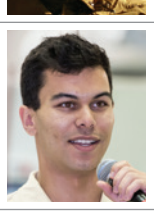
MAY 9, 2023

TIME (ET)	WEBINAR TITLE	PRESENTER	
11:00 - 11:30 AM	**Penguins, Ice, Trees, and Lasers: Introducing the NASA ICESat-2 Mission Fun Zone** Learn about NASA's ICESat-2 Mission and awesome new classroom activities, animations, visualizations, and interactions in the ICESat-2 Mission Fun Zone. Brian will highlight the ICESat-2 Mission through engaging visuals and showcase several Fun Zone activities.	**Brian Campbell** NASA Wallops Flight Facility, Senior Earth Science Specialist and ICESat-2 Education Lead	
12:00 - 1:00 PM	**Pathways to Careers in NASA Science** Join this career exploration live webinar event to learn about the career pathways of 3 subject matter experts working within NASA's Astromaterials Research & Exploration Science (ARES) Division at NASA's Johnson Space Center in Houston, Texas.	**Paige Graff** Science Engagement Specialist / Jacobs JETS II at NASA Johnson	
		Doug Archer Mars/Moon Research Scientist / Jacobs JETS II at NASA Johnson	
		Kimberly Allums-Spencer Curation Project Manager / Jacobs JETS II at NASA Johnson	
		Minna Rubio Planetary Geospatial Scientist / Jacobs JETS II at NASA Johnson	
1:00 - 2:00 PM	**CosmicDS Mini Stories and live astronomy Q&A with WorldWide Telescope** Explore Cosmic Mini Stories, free online resources that contextualize well-known NASA imagery in a virtual night-sky view. Follow the path of a comet or learn why scientists study astronomical objects using different types of light. See a demo of the Mini Stories and ask your questions about the night sky, which we will try to answer using imagery in the WorldWide Telescope platform that powers Mini Data Stories.	**Patricia Udomprasert** Cosmic Data Stories Science PI, Harvard University	
		John Lewis Cosmic Data Stories Astronomy Educator, Harvard University	
2:00 - 3:00 PM	**Exploring Mars: Curiosity Rover at Gale Crater** Join this live webinar event and interact with NASA Astromaterials Research and Exploration Science (ARES) Subject Matter Expert (SME) Dr. Liz Rampe. Liz will share an overview of NASA's Curiosity (MSL) Mission which has been exploring Gale Crater, Mars since 2012!	**Elizabeth Rampe** Planetary Scientist / NASA	
		Paige Graff Science Engagement Specialist / Jacobs JETS II at NASA Johnson	
4:00 - 5:00 PM	**Pathways to Careers in NASA Science** Join this career exploration live webinar event to learn about the career pathways of 3 subject matter experts working within NASA's Astromaterials Research & Exploration Science (ARES) Division at NASA's Johnson Space Center in Houston, Texas.	**Paige Graff** Science Engagement Specialist / Jacobs JETS II at NASA Johnson	
		Ross Kovtun Lunar Geotechnical Scientist / Jacobs JETS II at NASA Johnson	
		Carter Cohen Microbiologist and Chemist / Jacobs JETS II at NASA Johnson	
		Kathleen Vander Kaaden Program Scientist and Lead for Astromaterials Curation at NASA Headquarters / NASA Johnson	
6:30 - 7:30 PM	**Infiniscope Presents: Star Stuff! Lessons in stellar evolution and origins of our solar system** Solve the mysteries of our solar system as you uncover how and why stars and planets form. We'll take you on a journey through the universe and our solar system as you explore stellar life cycles and solve misconceptions with our 3D simulations and interactive feedback. Even better, Infiniscope's digital lessons require little to no teacher prep time! You can also use these dynamic lessons for content review, in a flipped classroom, for your sub plans, or even as a filler.	**Jessica Swann** Infiniscope Community Manager	
		Sina Kirk Infiniscope Community Lead	

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DIGITAL LEARNING WEEK

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MAY 10, 2023

TIME (ET)	WEBINAR TITLE	PRESENTER	
12:00 - 1:00 PM	**Mars 2020 Perseverance Rover Mission & Mars Sample Return** Join this live webinar event and interact with NASA Astromaterials Research and Exploration Science (ARES) Subject Matter Expert (SME) Dr. Justin Simon. Justin will share an overview of NASA's Perseverance (Mars 2020) Mission.	**Justin Simon** Planetary Scientist / NASA Johnson	
		Paige Graff Science Engagement Specialist / Jacobs JETS II at NASA Johnson	
1:00 - 2:00 PM	**Grand Tour of the Universe** Blast off from Earth and take a grand tour of our observable universe with Brian Abbott, Assistant Director of the Hayden Planetarium at the American Museum of Natural History (AMNH). Discover where Earth is located in the Milky Way Galaxy and mingle with cosmic objects near and far! Science teacher and AMNH Master of Arts in Teaching alum, Deion Desir will pilot this immersive trip through space and time in OpenSpace, the NASA-funded, interactive data visualization software.	**Brian Abbott** Assistant Director of the Hayden Planetarium, American Museum of Natural History	
		Deion Desir High School Educator of Earth Science and Computer Science, NYC Department of Education	
2:00 - 3:00 PM	**Double Asteroid Redirection Test (DART): The World's First Planetary Defense Test Mission** Join this live webinar event and interact with NASA Astromaterials Research and Exploration Science (ARES) Subject Matter Expert (SME) Dr. Paul Abell. Paul will share an overview of NASA's Double Asteroid Redirection Test (DART) Mission, the world's first planetary defense test mission.	**Paul Abell** NASA Johnson Chief Scientist for Small Body Exploration / NASA Johnson	
		Paige Graff Science Engagement Specialist / Jacobs JETS II at NASA Johnson	
4:00 - 5:00 PM	**CosmicDS Hubble Data Story: Learning from student-generated data** Has the universe always existed and if not, how long ago did it form? These are the questions students answer in the Cosmic Data Story about Hubble's Law, an online interactive resource that allows students to explore and learn from data. In addition to answering these questions, students gain insight into how scientists determine the reliability of a result, especially when answering brand-new questions in science. See a demo of key components of the Hubble Data Story and learn how to participate in pilot testing of this resource with your students.	**Patricia Udomprasert** Cosmic Data Stories Science PI, Harvard University	
		John Lewis Cosmic Data Stories Astronomy Educator, Harvard University	
6:30 - 7:30 PM	**Infiniscope Presents: Beyond Earth and Space! Applied Biology and Chemistry Lessons** Earth's history is told through the chemistry and biology locked within it's layers. Take a tour of Earth and beyond to collect these clues and uncover mysteries of Earth and Mars. We'll take you on a journey with our virtual field trips and interactive feedback you can use to teach these topics with little to no teacher prep time! You can also use these dynamic lessons for content review, in a flipped classroom, for your sub plans, or even as a filler.	**Jessica Swann** Infiniscope Community Manager	
		Sina Kirk Infiniscope Community Lead	

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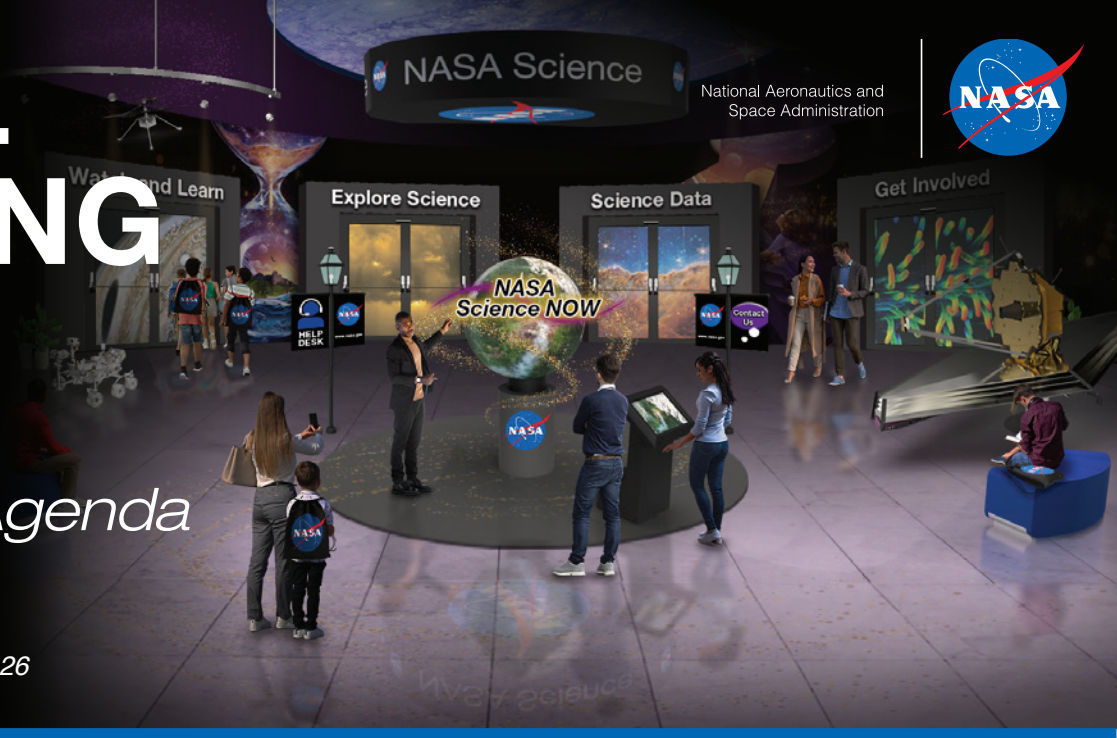

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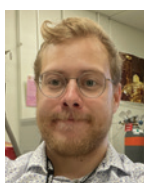
TIME (ET)	WEBINAR TITLE	PRESENTER	
12:00 - 1:00 PM	**Pathways to Careers at NASA** Join this career exploration live webinar event to learn about the career pathways of 3 subject matter experts working within NASA's Astromaterials Research & Exploration Science (ARES) Division at NASA's Johnson Space Center in Houston, Texas.	**Paige Graff** Science Engagement Specialist / Jacobs JETS II at NASA Johnson	
		Heather Cowardin Orbital Debris and Hypervelocity Integration Portfolio Scientist / NASA Johnson	
		Chris Cline Research Scientist & Lab Manager (Experimental Impact Laboratory) / Jacobs JETS II at NASA Johnson	
		Patrick Casbeer Mars Geochemist / Jacobs JETS II at NASA Johnson	
2:00 - 2:45 PM	**Exploring NASA's Antarctic Meteorite Lab and Astromaterials 3D** Join this live webinar event for a virtual tour and to learn about the Antarctic Meteorite Lab at NASA's Johnson Space Center and our Astromaterials 3D project. While exploring Astromaterials 3D, we will periodically share some Antarctic Meteorites in 3D. If possible, have 3D glasses available during event.	**Kellye Pando** Antarctic Meteorite Processor / Jacobs JETS II at NASA Johnson	
		Paige Graff Science Engagement Specialist / Jacobs JETS II at NASA Johnson	
5:00 - 6:30 PM	**Infiniscope Presents: Teacher Created Field Trips for any Classroom** Take your class on a field trip, all from the comfort of your classroom, with one of these innovative virtual field trips, created by teachers for teachers. We'll walk you though the physics of a putt-putt course, explore the history of the wild Mississippi, walk along the sugar cane of North Carolina, or prepare to chase Aurora. No need to pack a bag, order a bus, or grab permission slips. These are classroom deliverable resources you can use today!	**Jessica Swann** Infiniscope Community Manager	
		Sina Kirk Infiniscope Community Lead	
6:30 - 7:30 PM	**Infiniscope Presents: Plates, Craters, and Domes: Lessons about Features and Processes of Earth** Earth's history is riddled with stories of constructive and destructive forces. Take a tour of Earth as we uncover mysteries hidden in plain sight amongst Earth's most impressive features. We'll take you on a journey with our virtual field trips and interactive feedback you can use to teach these topics with little to no teacher prep time! You can also use these dynamic lessons for content review, in a flipped classroom, for your sub plans, or even as a filler.	**Jessica Swann** Infiniscope Community Manager	
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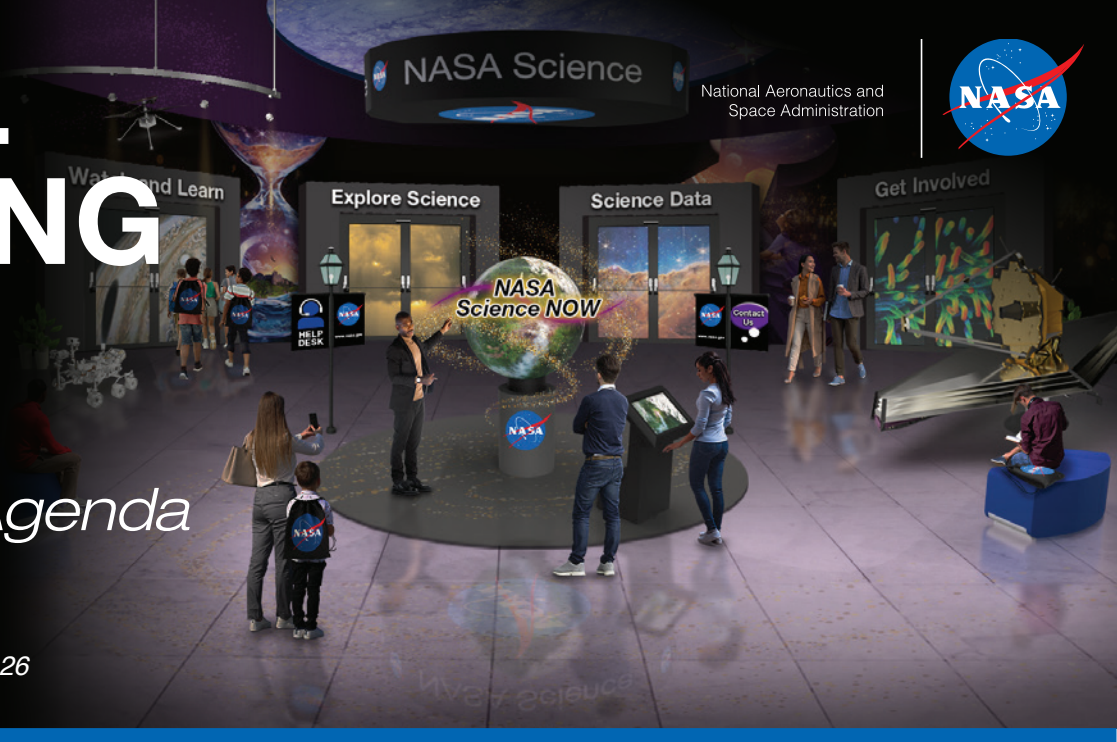

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2023 Webinar Agenda

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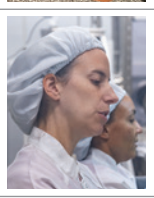
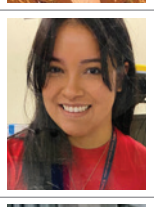
AVAILABLE ON DEMAND UNTIL MAY 26

MAY 12, 2023

TIME (ET)	WEBINAR TITLE	PRESENTER	
11:00 AM - 12:00	**Collecting Moon Rocks: Apollo to Artemis** Join this live webinar event with Dr. Juliane Gross, Deputy Apollo Lunar Curator (2019 – 2022) and Rutgers University Associate Professor. Juliane will share how the collection of Apollo Moon rocks is helping to prepare for future Artemis Missions to the surface of the Moon.	**Juliane Gross** Rutgers University Associate Professor	
		Paige Graff Science Engagement Specialist / Jacobs JETS II at NASA Johnson	
12:00 - 1:00 PM	**Infiniscope Presents: Mars Sample Return—Science for the Next Generation of Explorers** Join this live webinar event with Subject Matter Expert Dr. Rachel Kronyak. Rachel will share an overview of her experiences driving rovers on Mars! She is a member of NASA's Mars Sample Return (MSR) Mission which has already begun with the first samples collected on the Martian surface with Perseverance! Stay until the end, where educators will receive a special invitation to bring this mission into your classroom!	**Dr. Rachel Kronyak** Science Operations Systems Engineer, NASA JPL	
		Jessica Swann Infiniscope Community Manager	
1:00 - 2:00 PM	**Updates from the James Webb Space Telescope** NASA's James Webb Space Telescope continues to return exciting images that help scientists better understand our universe. With each released image comes a trove of new data to study and explore. Join Jackie Faherty, Senior Scientist at the American Museum of Natural History (AMNH) and Carter Emmart, Director of Astrovisualization at AMNH, for a deep dive into the most recently released images from Webb. This program utilizes OpenSpace, an open source NASA-funded data visualization software.	**Dr. Jackie Faherty** Senior Scientist, Department of Astrophysics, American Museum of Natural History	
		Carter Emmart Director of Astrovisualization, American Museum of Natural History	
2:00 - 2:45 PM	**Exploring NASA's Lunar Lab and Astromaterials 3D** Join this live webinar event for a virtual tour and learn about the Apollo Lunar Laboratory at NASA's Johnson Space Center and our Astromaterials 3D project. While exploring Astromaterials 3D, we will periodically share some Apollo Moon rocks in 3D. If possible, have 3D glasses available during event.	**Andrea Mosie** Senior Scientist Specialist & Apollo Lunar Lab Manager / Jacobs JETS II at NASA Johnson	
		Juliane Gross Rutgers University Associate Professor	
		Suzanne Foxworth Science Engagement Specialist / Jacobs JETS II at NASA Johnson	
		Paige Graff Science Engagement Specialist / Jacobs JETS II at NASA Johnson	
3:00 - 4:00 PM	**Pathways to Careers in NASA Science** Join this career exploration live webinar event to learn about the career pathways of 3 subject matter experts working within NASA's Astromaterials Research & Exploration Science (ARES) Division at NASA's Johnson Space Center in Houston, Texas.	**Paige Graff** Science Engagement Specialist / Jacobs JETS II at NASA Johnson	
		Ruby Patterson Mars Geochemist / Jacobs JETS II at NASA Johnson	
		Maritza Montoya Astromaterials Small Particle Processor / Jacobs JETS II at NASA Johnson	
		Alyssa Manis Radar and Optical Measurements Lead, NASA Orbital Debris Program Office / NASA Johnson	
4:00 - 5:00 PM	**Infiniscope Presents: Lunar Trailblazer: Illuminating Water on the Moon!** Lunar Trailblazer will investigate one of the most surprising discoveries of the last decade: Water on the Moon! This session will discuss a small satellite ride-along mission that will unlock our understanding of the water cycle on the Moon.. Stay until the end, where educators will receive a special invitation to bring this mission into your classroom!	**Jasper Muira** Research Technician Associate	
		Jessica Swann Infiniscope Community Manager	

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